

ABSTRACT OF THE DISCLOSURE

An electron gun includes a first focusing electrode and a second focusing electrode that are disposed so as to face each other and supplied
5 with equal electric potentials. An electron beam passing aperture provided
in at least one of a surface of the first focusing electrode facing the second
focusing electrode and a surface of the second focusing electrode facing the
first focusing electrode is a single opening common to three electron beams.
Much of the magnetic flux from a scanning velocity modulation coil provided
10 on outer peripheral surface of a neck portion of a funnel crosses this single
opening. Thus, the scanning velocity modulation (SVM) sensitivity
improves.